Day: Wednesday

Date: 7/12/2006 Time: 18:04:36

PALM INTRANET

Inventor Information for 10/539449

Inventor Name	City	State/Country
SUGATA, SHINSUKE	HIROSHIMA	JAPAN
MAKIYAMA, TADASHI	HIROSHIMA	JAPAN
Appln Info Contents Petition Info	Atty/Agent Info Col	ntinuity/Reexam Foreign
Search Another: Application#	Search or Paten	t# Search
PCT / / [Search or PG PUBS	S# Search
Attorney Docket #	Sea	arch
Bar Code #	Search	

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

US 20060078394 A1	US- PGPUB	20060413	11	Work processing method in machine tool, processing jig for performing the metod, and support device for work processing	409/132	408/71; 408/89; 409/165; 409/198; 409/199; 409/235	Sugata; Shinsuke et al.
US 20060051171 A1	US- PGPUB	20060309		Work phase determination method for machine tools, and device therefor	408/71	409/221	Sugata; Shinsuke et al.
US 20050271484 A1	US- PGPUB	20051208		Multi-shaft spindle head of machine tool	408/57		Sugata, Shinsuke et al.
US 20050258003 A1	US- PGPUB	20051124	19	Tool holder of machine tool	184/6.14		Sugata, Shinsuke et al.
US 20050236754 A1	US- PGPUB	20051027		Work carrier	269/56		Sugata, Shinsuke et al.
US 20050226692 A1	US- PGPUB	20051013		Boring control method	408/14	173/1	Makiyama, Tadashi et al.
US 20040191013 A1	US- PGPUB	20040930		Machine tool and lubricant jetting state detector for machine tool	408/57		Sugata, Shinsuke et al.
US 20040191012 A1	US- PGPUB	20040930		Multispindle machine tool and method of optimizing lubricant mist flow for each spindle of multispindle machine tool	408/57		Sugata, Shinsuke et al.
US 20040161315 A1	US- PGPUB	20040819		Main shaft device for machine tools	409/64	82/13	Sugata, Shinsuke et al.
US 20040136799 A1	US- PGPUB	20040715		Main shaft device for machine tools	409/136	408/58	Sugata, Shinsuke et al.
US 20040118457 A1	US- PGPUB	20040624		Method and apparatus for supplying process liquid for machine tool	137/434	137/606; 409/136	Sugata, Shinsuke et al.
US 20040067113 A1	US- PGPUB	20040408		Spindle device of machine tool	408/56	408/57; 408/60; 408/61	Sugata, Shinsuke et al.
US 20030190206	US- PGPUB	20031009		Machine tool	409/235	409/191	Sugata, Shinsuke

.

A1					T	et al.
US 20030180111 A1	US- PGPUB	20030925	Spindle device of machine tool	409/136	408/58; 408/59; 408/60; 409/232	Sugata, Shinsuke et al.
US 20030170087 A1	US- PGPUB	20030911	Spindle device of machine tool	409/136		Sugata, Shinsuke et al.
US 20030143048 A1	US- PGPUB	20030731	Column fixed type machine tool	409/137	409/134	Sugata, Shinsuke et al.
US 20030133766 A1	US- PGPUB	20030717	Automatic cutting liquid supply apparatus	409/136	408/56	Makiyama, Tadashi
US 20030103819 A1	US- PGPUB	20030605	Tool holder for machine tool, and cutter and tool driver used in the tool holder	408/57	82/50	Sugata, Shinsuke et al.
US 7048481 B2	USPAT	20060523	Cutting fluid device for a spindle of a machine tool	409/136	408/56; 408/57; 408/59; 409/135; 409/231	Sugata; Shinsuke et al.
US 7025544 B2	USPAT	20060411	Machine tool and lubricant jetting state detector for machine tool	409/136	250/573; 250/574; 356/336; 356/338; 356/436; 408/16; 408/59; 408/60; 408/8	Sugata; Shinsuke et al.
US 6981825 B2	USPAT	20060103	Multispindle machine tool and method of optimizing lubricant mist flow for each spindle of multispindle machine tool	409/136	408/56; 408/59	Sugata; Shinsuke et al.
US 6938633 B2	USPAT	20050906	Method and apparatus for supplying process liquid for machine tool	137/1	137/238; 137/386; 137/434; 137/565.01; 137/571; 141/198; 184/6.14; 184/7.4;	Sugata; Shinsuke et al.

US 6926478 B2	USPAT	20050809	Spindle device of machine tool	409/136	210/123; 210/168; 210/418; 222/67; 29/DIG.94; 409/136 408/58; 408/59; 408/60; 409/232	Sugata; Shinsuke et al.
US 6923604 B2	USPAT	20050802	Spindle device of machine tool	409/136	408/59	Sugata; Shinsuke et al.
US 6905294 B2	USPAT	20050614	Main shaft device for machine tools	409/136	408/58; 408/59; 408/60; 409/218	Sugata; Shinsuke et al.
US 6899496 B2	USPAT	20050531	Main shaft device for machine tools	409/136	408/58; 408/59; 408/60	Sugata; Shinsuke et al.
US 6896453 B1	USPAT	20050524	Cutting tool device for machine tool	409/137	408/67	Sugata; Shinsuke et al.
US 6843624 B2	USPAT	20050118	Machine tool	409/235	408/234; 409/141; 409/191; 409/238	Sugata; Shinsuke et al.
US 6811361 B2	USPAT	20041102	Column fixed type machine tool	409/134	409/137	Sugata; Shinsuke et al.
US 6783309 B2	USPAT	20040831	Automatic cutting liquid supply apparatus	409/136	184/6.14; 184/6.26; 184/7.4; 222/52; 408/56; 408/58; 408/60; 409/131	Makiyama; Tadashi
US D494604 S	USPAT	20040817	Fixture for a crankshaft	D15/5		Makiyama; Tadashi
US D493178 S	USPAT	20040720	Fixture for a crankshaft	D15/5		Makiyama; Tadashi
US D492947 S	USPAT	20040713	Fixture for a crankshaft	D15/5		Makiyama; Tadashi
US D491195 S	USPAT	20040608	Fixture for a crankshaft	D15/5		Makiyama; Tadashi

US 6726412 B2	USPAT	20040427	Tool holder for machine tool, and cutter and tool driver used in the tool holder	408/57	279/20; 408/239A; 409/234	Sugata; Shinsuke et al.
US 6702199 B1	USPAT	20040309	Coolant feeding device of machine tool	239/128	210/171; 239/106; 239/119; 239/423; 239/533.15; 239/589; 407/11; 408/56; 408/61	Sugata; Shinsuke et al.
US 6644900 B1	USPAT	20031111	Spindle device of machine tool	409/136	408/57; 408/59	Sugata; Shinsuke et al.
US 6639780 B1	USPAT	20031028	Coolant feeding device of machine tool	361/140	361/699	Sugata; Shinsuke et al.
US 6582167 B1	USPAT	20030624	Spindle device of machine tool	409/136	408/59	Sugata; Shinsuke et al.
US 6551038 B1	USPAT	20030422	Machine tool and cover device for the machine tool	409/134	29/DIG.56; 29/DIG.59; 408/234; 409/191; 409/235; 74/613	Sugata; Shinsuke et al.
US 6547498 B1	USPAT	20030415	Machine tool	409/134	29/DIG.59; 29/DIG.86; 29/DIG.94; 408/241G; 409/137; 409/212	Sugata; Shinsuke et al.
US 6519823 B1	USPAT	20030218	Machine tool	29/26A	408/234; 409/202; 409/212; 409/235; 483/16	Sugata; Shinsuke et al.
US 6394940 B1	USPAT	20020528	Chip suction type machine tool	483/13	408/61; 409/134; 409/137; 451/456	Sugata; Shinsuke et al.
US 6305696 B1	USPAT	20011023	Tool holder for machine tool	279/20	408/57	Sugata; Shinsuke et al.

US 5988959 A	USPAT	19991123	Spindle supporting box structure, a damping structure, a gas supply related device, and a balance cylinder gas actuated device for machine tools	409/141	408/143; 408/235; 409/191; 409/237	Sugata; Shinsuke
US 5947661 A	USPAT	19990907	Cutting chip air-stream removing device for a mechanical tool	409/131	408/1R; 408/58; 408/67; 409/136; 409/137	Sugata; Shinsuke
US 5791842 A	USPAT	19980811	Chip suction and disposal device for a machine tool having an automatic tool exchanging structure	409/137	408/61	Sugata; Shinsuke
US 5676506 A	USPAT	19971014	Spindle device for machine tools	409/136	408/59	Sugata; Shinsuke
US 5070592 A	USPAT	19911210	Spindle unit of a machine tool in which tools changing is available	409/233	279/75; 483/30	Sugata; Shinsuke

·

•

.